Performance Calculation Results

Outside

Inside

11/30/2022

Layers – From Outside to Inside		mm
L1	Clear Float Glass	4
L2	Clear PVB	0.76
L3	Clear Float Glass	4

Interior Angle

90°

Pane : (4+0.76+4) mm Şişecam Laminated Glass

Daylight Properties (EN 410)

Daylight Transmittance	:	88%
Daylight Reflectance Outdoor	:	8%
Daylight Reflectance Indoor	:	8%
Color Rendering Index (Ra)	:	98

Solar Energy Properties (EN 410)

Total Solar Energy Transmittance Solar Factor / g	:	78%
Solar Energy Direct Transmittance	:	74%
Solar Energy Reflectance Outdoor	:	7%
Solar Energy Absorption	:	19%
Shading Coefficient	:	0.90
UV Transmission	:	0%

Thermal Conductivity (EN 673)

U Value W/(m²K)	:	5.5

Sound Insulation Values

Rw (C, Ctr)	:	34 dB (-1, -3)

“Daylight” and “Solar Energy” properties are calculated using spectral measurements in compliance with EN 410:2011. “U-value” is calculated according to EN 673:2011.

The emissivity measurements used for calculations comply with EN 673:2011 (Annex A) and EN 12898:2019. Thermal stresses or building codes may require the use of heat-treated glass. This document is not an evaluation of the risk of glass breakage from thermal stresses. Please contact Sisecam Flat Glass to ensure the correct form of glass to be supplied for the structure.

Sisecam Flat Glass cannot guarantee the applicability of the calculated combinations.

Data on acoustic parameters such as “Weighted Reduction (Rw)” and “Spectrum Adaption Terms C / Ctr” are specified based on estimations determined as the best result for this glazing composition and have not been tested. Performance on-site can be different, related to the sizes of the glazing, frame design, noise sources, etc.

Technical and other data are based on information available at the time of preparation of this document and are subject to change by Sisecam Flat Glass without notice.

This document is only for informational purposes. Sisecam Flat Glass cannot be held responsible for any deviations between the presented data and the conditions on the site. Please contact your sales representative about whether the products you use in the calculation are available in our stock, whether they can be selling to your region, and the production time.